Progress in Lipid Research

Founding Editor

Ralph T. Holman, *Hormel Institute, University of Minnesota*, 801 16*th Avenue, N.E., Austin, Minnesota* 55912, *U.S.A.*

Executive Editors

Howard Sprecher, *Department of Physiological Chemistry, Ohio State University*, 333 *W.* 10*th Avenue, Columbus, Ohio* 43210, *U.S.A.*

John L. Harwood, *Department of Biochemistry, University of Wales, College of Cardiff, Museum Avenue, Cardiff CF*1 1*ST, U.K.*

Editorial Advisory Board

B. de Kruijff, *University of Utrecht*, 3508 *TB Utrecht, The Netherlands*

H. Goldfine, *University of Pennsylvania, Philadelphia, PA* 19104/6076, *U.S.A.*

K. Waku, *Teikyo University, Sagamiko, Kanagawa* 199-01, *Japan*

R. J. Cherry, *University of Essex, Wivenhoe Park, Colchester CO*4 3*SQ, U.K.*

H. H. Rees, *University of Liverpool, Liverpool L*69 3*BX, U.K.*

M. I. Gurr, *Vale View Cottage, Maypole, St. Mary's, Isles of Scilly*

Subscription Rates

Annual Institutional Subscription Rate (1992): £255.00 (US$465.00). Two-year Institutional Rate (1992/93): £484.50 (US$883.50). Sterling prices are definitive. US dollar prices are quoted for convenience only, and are subject to exchange rate fluctuation. Prices include postage and insurance and are subject to change without notice. Subscription rates for Japan are available on request.

Subscription enquiries from customers in North America should be sent to: Pergamon Press Inc., 660 White Plains Road, Tarrytown, New York 10591-5153, U.S.A., and for the remainder of the world to: Pergamon Press Ltd, Headington Hill Hall, Oxford OX3 0BW, U.K.

Progress in Lipid Research is published quarterly (March, June, September, December). At the end of the volume the Subscriber will receive both author and subject indexes.

Back Issues

Back issues of all previously published volumes are available direct from Pergamon Press Offices.

© 1992 Pergamon Press Ltd

CONTENTS

Sphingomyelin and derivatives as cellular signals 1
RICHARD N. KOLESNICK

Essential fatty acids in growth and development 39
SHEILA M. INNIS

Chemistry and metabolism of lipoprotein particles (*Proceedings of the International Symposium on the Chemistry, Metabolism and Clinical Aspects of Lipoprotein Particles in honor of Petar Alaupovic*) 105
DIANA M. LEE (Guest Editor)

FAB/mass spectrometry in lipids 301
TOSHIKO MATSUBARA and AKIRA HAYASHI

Lipids and their effects on membrane proteins: evidence against a role for fluidity 323
A. G. LEE

Hormonal regulation of the hepatic low density lipoprotein receptor and the catabolism of low density lipoproteins: relationship with the secretion of very low density lipoproteins 349
DAVID N. BRINDLEY and ANDREW M. SALTER

Related Pergamon Titles of Interest

Journals

Phytochemistry

International Journal of Biochemistry

Protides of the Biological Fluids

Books

CHRISTIE — Lipid Analysis, 2nd Edition

CHRISTIE — HPLC and Lipids